






## Assessment Summary

Levisa Fork 0.0 to 5.8 KY496312_01	 <p>This part of the stream does not support aquatic life, partially supports swimming (Primary Contact Recreation), fully supports drinking water (Domestic Water Supply).</p>
Mouth to UT (Torchlight Hollow)	
Lawrence County, Big Sandy River Basin	
HUC 05070203	
Assessment Date: 5/3/2016	



Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods <sup>1,2,3</sup>
 (5-NS)	Lead	Legacy coal extraction, Petroleum/natural Gas Activities	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
 (5-NS)	Organic Enrichment (Sewage) Biological Indicators	Legacy coal extraction, Municipal (Urbanized High Density Area), On-site Treatment Systems (Septic Systems and Similar Decentralized Systems), Residential Districts	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Physical/Chemical Monitoring
 (5-NS)	Specific Conductance	Legacy coal extraction, Municipal (Urbanized High Density Area), Non-Point Source, Petroleum/natural Gas Activities	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring
 (5-NS)	Total Suspended Solids (TSS)	Municipal (Urbanized High Density Area), Non-Point Source, Residential Districts	Concentrations are negatively affecting the aquatic community and/or recreation	Physical/Chemical Monitoring

<sup>1</sup> Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

<sup>2</sup> Data Source(s): KDOW AWQ, KDOW BACT, PWS

<sup>3</sup> Data Collection Date(s): 5/1/2009 - 12/31/2014

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 (5-PS)	Escherichia coli	Municipal (Urbanized High Density Area), Non-Point Source, On-site Treatment Systems (Septic Systems and Similar Decentralized Systems), Residential Districts	Concentrations exceeded the water quality standard	Pathogen Monitoring
 (2-FS)				Drinking Water Monitoring (Finished Water)

<sup>1</sup> Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

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